Notice of Allowability  10/719,089 Examiner Wai-Sing Louie  The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS		Application No.	Applicant(s)	
Examiner				
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2.  The allowed claim(s) Is/are 1-9.  3.  The drawings filed on 20 November 2003 are accepted by the Examiner.  4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)  All b)  Some* c)  None of the:  1.  Certified copies of the priority documents have been received.  2.  Certified copies of the priority documents have been received in Application No.  3.  Copies of the certified copies of the priority documents have been received in Application No.  4.  Certified copies not received:  Applicant has THREE MONTHS FROM THE "MALLING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  5.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  6.  CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1)  hereto or 2)  to Paper No./Mail Date  (b)  including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1)  hereto or 2)  to Paper No./Mail Date  (b)  including changes required by the Altached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  (c)  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL  Attachment(s)  1.  Notice of References Cited (PTO-892)  5.  Notice of Informal Patent Application (PTO-152)  1. Notice of Draftperson's Patent Drawing Review (PTO-948)  9.  Notice of Draftperson's Patent Drawing Review (PTO-948)  1. Notice of Draftperson's Patent Drawing Review (PTO-948)  1. Notice of Draftperson's Patent Drawing Review (PTO-948)  1. Examiner'	All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative			
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## **DETAILED ACTION**

## Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

The claimed invention is a Tri-color ZnSe white light emitting diode, comprising:

- At least a ZnSe LED chip;
- A blue emission layer formed on the ZnSe LED chip to emit blue wavelength light, which shines the ZnSe LED chip to produce yellow light;
- A green fluorescent powder being covered onto ZnSe LED chip capable of absorbing blue light emitted from the blue emission layer and emitting green wavelength light, so that mixing the blue light, yellow light, and green light to produce the white light emitting diode.

The prior art of record does not disclose or suggest either in singly or in combination the following limitations and other elements in the claims:

- Reference Baretz et al. (US 6,600,175) do not disclose a green fluorescent powder being covered onto ZnSe LED chip capable of absorbing blue light emitted from the blue emission layer and emitting green wavelength light, so that mixing the blue light, yellow light, and green light to produce the white light emitting diode.
- Reference Fujiwara et al. (US 6,680,568) do not disclose a ZnSe LED chip and a green fluorescent powder being covered onto ZnSe LED chip capable of absorbing blue light emitted from the blue emission layer and emitting green

wavelength light, so that mixing the blue light, yellow light, and green light to produce the white light emitting diode.

Therefore, the above references do not disclose the claimed invention of present application and claims 1-9 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wai-Sing Louie whose telephone number is (571) 272-1709. The examiner can normally be reached on 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2814

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SRIMARY EXAMINER

February 22, 2005.